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Db 394 cctcttgactctcggcggagaaagatcgctgacggagagcagagccaccaggttcctc 453
Qy 361 aagcagatctctgtagtggtgtaactactctcaacaagaataatbtctcaattgactc 420
Db 454 aagcagatctctgtagtggtgtaactactctcaacaagaataatbtctcaattgactc 513
Qy 421 aagcagaaacattatgtgttagaacaagaatattccactccacacatcaagctgatt 480
Db 514 aagcagaaacattatgtgttagaacaagaatattccactccacacatcaagctgatt 573
Qy 481 gacttgcctgctgctacgaataagagatggaattgaatttaagaatatlttggagc 540
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Qy 601 tggagcatagggcgtcatcactacactccttaagttagagcatccctctctctggagac 660
Db 694 tggagcatagggcgtcatcactacactccttaagttagagcatccctctctctggagac 753
Qy 661 aagaaagcagaacactggccaatatcatcaatagtagttagttagactttagaggaattc 720
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RESULT 2

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US-09-186-277-3
; Sequence 3, Application US/09186277
; Patent No. 6171841
; GENERAL INFORMATION:
; APPLICANT: AKIRA, SHIZUO
; APPLICANT: KAWAI, TARO
; TITLE OF INVENTION: DNA CODING FOR SERINE/THREONINE KINASE
; FILE REFERENCE: 081356/0128
; CURRENT APPLICATION NUMBER: US/09/186,277
; EARLIER FILING DATE: 1998-11-05
; EARLIER APPLICATION NUMBER: JP97/261589
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 3
; LENGTH: 2132
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (94)..(1455)
US-09-186-277-3
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Query Match 47.6%; Score 514.6; DB 4; Length 2132;
Best Local Similarity 76.1%; Pred. NO. 2.1e-125;
Matches 634; Conservative 0; Mismatches 199; Indels 0; Gaps 0;
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Qy 1 atggagccatccaagcagagaaggtgaggaatttatgcatcgagagagctgggg 60
Db 94 atgtccaagttccagcagagaagcgtggaagaccattatggaaggaagagctgggc 153
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Db 154 agcgcagatttgcatcgttgaagaagtgcggaagagacacagcggtctgaagtaca 213
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Qy 121 gccaaattcaagaagcgcagagccggcgagccggcggtgtgtgaagccggagag 180
Db 214 gccaaattcaagaagcgcagcgcctgtgtcaaccggcggtgtgtgaagccggagag 273
Qy 181 atcgagcggaggttgagcaaccctgcgagctgctgcacacacatgcatcaagctgac 240
Db 274 atcgagcggaggttgagcaaccctgcgaggtatccggaccccaacatcatcaaccctgac 333
Qy 241 gaagctatagaagccgcagcagctgtggaacatccttgaagtagtgcctggaagag 300
Db 334 gaacattcgaagaacagagagcgtgtgtcctatcccttggaagctgtctgtcggggag 393
Qy 301 ccttcgattcctggcccaagagagtagctgtagaggaagggccacacagttcattc 360
Db 394 cctcttgactcttgcgggaagaaagatcgctgacgaagagcagagccaccagttctc 453
Qy 361 aagcagatcctgtagtggtgtaactactctcaacaagaataatgtctcaattgactc 420
Db 454 aagcagatcctgtagtggtgtaactactctcaacaagaataatgtctcaattgactc 513
Qy 421 aagcagaaacattatgtgttagaacaagaatattccactccacacatcaagctgatt 480
Db 514 aagcagaaacattatgtgttagaacaagaatattccactccacacatcaagctgatt 573
Qy 481 gacttgcctgctgctacgaataagagatggaattgaatttaagaatatlttggagc 540
Db 574 gacttgcctgctgctacgaataagagatggaattgaatttaagaatatlttggagc 633
Qy 541 ccggaattgtgtgctcccaaaatgtgaactagagcccttggtcttgtagagctgacag 600
Db 634 ccggaattgtgtgctcccaaaatgtgaactagagcccttggtcttgtagagctgacag 693
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Qy 661 aagaaagcagaacactggccaatatcatcaatagtagttagttagactttagaggaattc 720
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Qy 781 cggaaacggtctacaatccaagaaggtctcagaacacccttgatcaagccggt 833
Db 874 aagcggagaaatgacattgtcccaagagctggaacattctctgattaaagcgat 926
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RESULT 3

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US-09-159-385-4
; Sequence 4, Application US/09159385
; Patent No. 5958748
; GENERAL INFORMATION:
; APPLICANT: AKIRA, SHIZUO
; APPLICANT: KAWAI, TARO
; TITLE OF INVENTION: DNA CODING FOR SERINE/THREONINE KINASE
; FILE REFERENCE: PH-569
; CURRENT APPLICATION NUMBER: US/09/159,385
; EARLIER FILING DATE: 1998-09-23
; EARLIER APPLICATION NUMBER: JP97/261589
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 4
; LENGTH: 1429
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (10)..(1353)
US-09-159-385-4
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Query Match 47.5% Score 512.8; DB 2; Length 1429;
Best Local Similarity 76.2% Pred. No. 5.3e-125;
Matches 631; Conservative 0; Mismatches 197; Indels 0; Gaps 0;

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QY 1 atgagaccatcaagcagaaggtggaagatttatgacatcggaagagctggg 60
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Db 10 atgcccattcagcagaagagatgtgagaccattatgagatggagaagactggc 69
QY 61 agtggcagatttgcacatctgtaagaagtccgggagaagaacggtctgaaatgca 120
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 70 agtggcagatttgcacatctgtaagaagtccgggagaagaacggtctgaaatgca 129
QY 121 gccaaattcatcaagaagcggcgaagccggcgcggtgtgtgagccggagag 180
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 130 gccaaattcatcaagaagcggcggccttcacacccggcggtgtgtgagccggagag 189
QY 181 atcgaagcggaggtgagacatctctgcaaggtgctgcaaccaatgtcatcagctgac 240
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 190 atcgaagcggaggtgagacatctctgcaaggtgctgcaaccaatgtcatcagctgac 249
QY 241 gaagctcatagaaacgcgaaccgcgtgtgacacatcttgaagctagtctggaagag 300
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Db 250 gaagctcatagaaacgcgaagcagatgtgtgtgacatctggaagctgtgtcggcgag 309
QY 301 ctcttcgatttctgcggccgaagagatcactgagtgagagagagccacagcttcat 360
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 310 ctcttcgatttctgcggccgaagagatcactgagtgagagagagccacagcttcat 369
QY 361 aagcagatctctggaatggaatggaatggaatggaatggaatggaatggaatggaat 420
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Db 370 aagcagatctctggaatggaatggaatggaatggaatggaatggaatggaatggaat 429
QY 421 aagcagatctctggaatggaatggaatggaatggaatggaatggaatggaatggaat 480
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Db 430 aagcagatctctggaatggaatggaatggaatggaatggaatggaatggaatggaat 489
QY 481 gacttggctcgtgcacgaatggaatggaatggaatggaatggaatggaatggaatggaat 540
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Db 490 gacttggctcgtgcacgaatggaatggaatggaatggaatggaatggaatggaatggaat 549
QY 541 ccggaatttctgctcgaagaatgtgaaactacgaagccctgggtcggagcgtgacatg 600
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 550 ccggaatttctgctcgaagaatgtgaaactacgaagccctgggtcggagcgtgacatg 609
QY 601 tggagcatgagcgtcatcaccatcaccatcaccatcaccatcaccatcaccatcaccat 660
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Db 610 tggagcatgagcgtcatcaccatcaccatcaccatcaccatcaccatcaccatcaccat 669
QY 661 acggaagcagaagaaacatcgtgcaaatatcattatcattatcattatcattatcattatc 720
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Db 670 acggaagcagaagaaacatcgtgcaaatatcattatcattatcattatcattatcattatc 729
QY 721 ttcaagcattcgaagcgtgcaagaacttattcgaagcgttctgtgttaagaagagacc 780
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 730 ttcaagcattcgaagcgtgcaagaacttattcgaagcgttctgtgttaagaagagacc 789
QY 781 cggaaacggtctacaatccaagaggtctctcagacacccctgatacag 828
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 790 aaggaagagatgacatcgcacagagccttgagatcttcgtatcaag 837
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RESULT 4
US-09-186-277-4
Sequence 4, Application US/09186277
Patent No. 6171841

GENERAL INFORMATION:
APPLICANT: AKIRA, SHIZUO
APPLICANT: KANAI, TARO
TITLE OF INVENTION: DNA CODING FOR SERINE/THREONINE KINASE
FILE REFERENCE: 081356/0128
CURRENT APPLICATION NUMBER: US/09/186, 277
CURRENT FILING DATE: 1998-11-05

EARLIER APPLICATION NUMBER: JP97/261589
EARLIER FILING DATE: 1997-09-26
NUMBER OF SEQ ID NOS: 8
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 4

LENGTH: 1429
TYPE: DNA
ORGANISM: Mus musculus
FEATURE:
NAME/KEY: CDS
LOCATION: (10)..(1353)
US-09-186-277-4

Query Match 47.5% Score 512.8; DB 4; Length 1429;
Best Local Similarity 76.2% Pred. No. 5.3e-125;
Matches 631; Conservative 0; Mismatches 197; Indels 0; Gaps 0;

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QY 1 atgagaccatcaagcagaaggtggaagatttatgacatcggaagagctggg 60
    ||| ||||| ||| ||| ||||| ||||| ||||| ||||| ||||| |||
Db 10 atgcccattcagcagaagagatgtgagaccattatgagatggagaagactggc 69
QY 61 agtggcagatttgcacatctgtaagaagtccgggagaagaacggtctgaaatgca 120
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Db 70 agtggcagatttgcacatctgtaagaagtccgggagaagaacggtctgaaatgca 129
QY 121 gccaaattcatcaagaagcggcgaagccggcgcggtgtgtgagccggagag 180
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 130 gccaaattcatcaagaagcggcggccttcacacccggcggtgtgtgagccggagag 189
QY 181 atcgaagcggaggtgagacatctctgcaaggtgctgcaaccaatgtcatcagctgac 240
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QY 301 ctcttcgatttctgcggccgaagagatcactgagtgagagagagccacagcttcat 360
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Db 310 ctcttcgatttctgcggccgaagagatcactgagtgagagagagccacagcttcat 369
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Db 370 aagcagatctctggaatggaatggaatggaatggaatggaatggaatggaatggaat 429
QY 421 aagcagatctctggaatggaatggaatggaatggaatggaatggaatggaatggaat 480
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 430 aagcagatctctggaatggaatggaatggaatggaatggaatggaatggaatggaat 489
QY 481 gacttggctcgtgcacgaatggaatggaatggaatggaatggaatggaatggaatggaat 540
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 490 gacttggctcgtgcacgaatggaatggaatggaatggaatggaatggaatggaatggaat 549
QY 541 ccggaatttctgctcgaagaatgtgaaactacgaagccctgggtcggagcgtgacatg 600
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 550 ccggaatttctgctcgaagaatgtgaaactacgaagccctgggtcggagcgtgacatg 609
QY 601 tggagcatgagcgtcatcaccatcaccatcaccatcaccatcaccatcaccatcaccat 660
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 610 tggagcatgagcgtcatcaccatcaccatcaccatcaccatcaccatcaccatcaccat 669
QY 661 acggaagcagaagaaacatcgtgcaaatatcattatcattatcattatcattatcattatc 720
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 670 acggaagcagaagaaacatcgtgcaaatatcattatcattatcattatcattatcattatc 729
QY 721 ttcaagcattcgaagcgtgcaagaacttattcgaagcgttctgtgttaagaagagacc 780
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Db 730 ttcaagcattcgaagcgtgcaagaacttattcgaagcgttctgtgttaagaagagacc 789
QY 781 cggaaacggtctacaatccaagaggtctctcagacacccctgatacag 828
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 790 aaggaagagatgacatcgcacagagccttgagatcttcgtatcaag 837
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1  RESULT 5
2  US-08-631-097-3
3  ; Sequence 3, Application US/08631097
4  ; Patent No. 5968816
5  ; GENERAL INFORMATION:
6  ; APPLICANT: Kimchil, Adi
7  ; TITLE OF INVENTION: Tumor Suppressor Genes,
8  ; TITLE OF INVENTION: Protein Encoded Thereby, and Use of Said Genes and Protein
9  ; NUMBER OF SEQUENCES: 7
10 ; CORRESPONDENCE ADDRESS:
11 ; ADDRESSEE: Wigman, Cohen, Leitner, & Myers, P.C.
12 ; STREET: 900 17th Street, N.W., Suite 1000
13 ; CITY: Washington
14 ; STATE: D.C.
15 ; COUNTRY: USA
16 ; ZIP: 20006
17 ; COMPUTER READABLE FORM:
18 ; MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage
19 ; COMPUTER: IBM Compatible
20 ; OPERATING SYSTEM: DOS
21 ; SOFTWARE: ASCII
22 ; CURRENT APPLICATION DATA:
23 ; APPLICATION NUMBER: US/08/631,097
24 ; FILING DATE: 12-Apr-96
25 ; CLASSIFICATION: 514
26 ; PRIOR APPLICATION DATA:
27 ; APPLICATION NUMBER: PCT/US94/11598
28 ; FILING DATE: 12-Oct-94
29 ; ATTORNEY/AGENT INFORMATION:
30 ; NAME: Cohen, Herbert
31 ; REGISTRATION NUMBER: 25,109
32 ; REFERENCE/DOCKET NUMBER: 0744.057
33 ; TELECOMMUNICATION INFORMATION:
34 ; TELEPHONE: (202)463-7700
35 ; TELEFAX: (202)473-6915
36 ; INFORMATION FOR SEQ ID NO: 3:
37 ; SEQUENCE CHARACTERISTICS:
38 ; LENGTH: 4935 base pairs
39 ; TYPE: nucleic acid
40 ; STRANDEDNESS: double
41 ; TOPOLOGY: linear
42 ; MOLECULE TYPE: Genomic DNA
43 ; HYPOTHEICAL: NO
44 ; ANTI-SENSE: NO
45 ; FRAGMENT TYPE: NO
46 ; ORIGINAL SOURCE:
47 ; ORGANISM: homo sapiens
48 ; STRAIN: not applicable
49 ; INDIVIDUAL ISOLATE: not applicable
50 ; DEVELOPMENTAL STAGE: not applicable
51 ; HAPLOTYPE: not applicable
52 ; TISSUE TYPE: blood
53 ; CELL TYPE: Leucocyte
54 ; CELL LINE: HeLa
55 ; ORGANELLER: not applicable
56 ; IMMEDIATE SOURCE:
57 ; LIBRARY: not applicable
58 ; CLONE: not applicable
59 ; POSITION IN GENOME:
60 ; CHROMOSOME/SEGMENT: not applicable
61 ; MAP POSITION: not applicable
62 ; UNITS: not applicable
63 ; FEATURE:
64 ; NAME/KEY: Seq. ID. NO.: 3 is
65 ; NAME/KEY: the sequence in claim 1(11) as Figure 8 of the specification
66 ; LOCATION: not available
67 ; IDENTIFICATION METHOD: experiment-
68 ; IDENTIFICATION METHOD: in specification
69 ; OTHER INFORMATION: prevention of IRN-2
70 ; OTHER INFORMATION: promoted cell death
71 ; PUBLICATION INFORMATION: not available

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US-08-631-097-3

Query Match	41.5%	Score 448.6	DB 2	Length 4933
Best Local Similarity	67.5%	Pred. No. 5.5e-108		
Matches 653	Conservative 0	Mismatches 294	Indels 24	Gaps 1
QY 10	ltcaagcagcagaagtgtagagactttaaagacatcgagagagctgggagtgccag	69		
Db 346	TTTCAGCGAGAAAACTGGATGATTTACTAGACACCGCGGAGAACTTGGACTGACAG	405		
QY 70	tttgcacgtgtagaagtgccgggagaagacagggcttgagtagtcagccaattc	129		
Db 406	TTTTCGGTTGTGAAAGAAATCCGTGAGAAAAAGTACCGGGCTCCAGATATCCCCCAATTC	465		
QY 130	atcaagaagcggtagagccggcgagccggcggtgttagccggagaagatacgacgg	189		
Db 466	ATCAAGAAAAAGAGACTAAGTCCACCGCGGGGTGTAGCCCGAGACATTCAGCGG	525		
QY 190	gaagtgagatcctctgcgcaggtgtctgcacacaatgltacacgctgcagcgtcat	249		
Db 526	GAGGTCAAGCTCTTGAAGAGATCCAGCAACCCCAAGTCAATCACTTCACAGAGTCTAT	585		
QY 250	gaagacagcagccagctggtagacatcctcttgagctagtgctcgagaagagcttcgat	309		
Db 586	GAGAACAGACGGAGCTCATCCGATCTTGGAACTCGTTGCAGGTGGGAGCTGTTTAC	645		
QY 310	ttccctgcccagaagagtagtcaatgtagagaagagccacagcttcaatagcagatc	369		
Db 646	TTCTTAGCTGAAAAAGGAATCTTAACTGAAAGGAGAACATGAATTTCTCAACAAATTT	705		
QY 370	ctgtagagggtagaactctcacacaagaagaattgctacatttgatctcctaagcgaa	429		
Db 706	CTTAAATGGTGTACTACTGCACTGCCCTTCAATCGCCCACTTGTATTAAGCTTAG	765		
QY 430	aacatagtgtagacaagaataatcccatccacacatcaagcttgatgacttggt	489		
Db 766	AACATATATCTTTTGGATAGAAATGCCCAAACTCCGATCAACATCATTTGACTT---	821		
QY 490	ctggtctcagaaatagaagatgaggttgaatttaagaatatttttggagccggaaattc	549		
Db 822	-----TGGAAATAAATTTAAACATATATTTGGATGCAAGAGTTT	861		
QY 550	gttgcctcagaaatgtgaactacagagcccttggtgtcgtagagcttgacatgtgagata	609		
Db 862	GTTCGCTCTGTGAGATGTACATATGAACCTCTTGGTCTTGAAGCAGATGTGAGATTC	921		
QY 610	ggcgctacacatactctcttgaatgtagaacatccctcttctcggaagacagaagcag	669		
Db 922	GGGGTAATATACCTATATCTCTTAAGTGGGCTCCCATTTCTTGGAGACACTAAACAA	981		
QY 670	gaaacatgtagcaaatatcacatcagtagtagtagacatttgaatgagaatcttcaagcat	729		
Db 982	GAAAGCTTAGCAAAATGTATCCGCTGCTCAACTAAGCAATTTGAGATGAATACTTCAGTAAT	1041		
QY 730	acgaacggagctggccgaagacttatatcgcgaagcttctgtttaagaagaccggaaacgg	789		
Db 1042	ACCAATGCCCTTAAGCAAAAGATTTATAGAAGACTTCTGTGTCAGAGATTCCAAAGAAAGA	1101		
QY 790	ctcacacatccaagaggtctcagacaccccctgtagtcaacgcggtgtagcaacacgaagcc	849		
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QY 850	atggtgtagcgggggtctgtggtcaatctgtagaagacttcagaagcagtagtgcgcgag	909		
Db 1162	CTTAGTGAATAAAGCATAGCAGTAACATGAGAGAAATTTCAAGAAATTTTGCAGCGCCGAAA	1221		
QY 910	cagtgtagagcttctcctcagcatcggtctcctgtgacaacacactcaacccctgcgcgatg	969		
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RESULT      6
US-08-810-712-9
? Sequence 9, Application US/08810712G
? Patent No. 6160106
?
? GENERAL INFORMATION:
? APPLICANT: Yeda Research and Development Co. LTD
? TITLE OF INVENTION: Tumor Suppressor Genes, Proteins
? TITLE OF INVENTION: Use of said Genes and Proteins
? FILE REFERENCE: sequencelist
?
? CURRENT APPLICATION NUMBER: US/08/810,712G
? CURRENT FILING DATE: 1997-03-03
? EARLIER APPLICATION NUMBER: PCT/US94/11598
? EARLIER FILING DATE: 1994-10-12
? NUMBER OF SEQ ID NOS: 31
? SOFTWARE: PatentIn Ver. 2.1
? SEQ ID NO 9
?
? LENGTH: 5886
?
? TYPE: DNA
? ORGANISM: Homo sapiens
?
? FEATURE:
? NAME/KEY: CDS
? LOCATION: (337)..(4605)
? US-08-810-712-9

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Query Match	41.5%;	Score 448.6;	DB 4;	Length 5886;
Best Local Similarity	67.5%;	Pred. NO. 5.9e-108;		
Matches 659; Conservative	0;	Mismatches 294;	Indels 24;	Gaps 11;

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OY	70	tttcacatcgtgaaagaaagctccgcgagaaagaaagacacgvggcttgatgatacgagcaaaagttc	129
Db	406	cttcgcgcttgvgaaagaaatccgvgagaaagaaagtacccgcgtcccaagatataccgcgcaaatcc	465
OY	130	atcaagaagacgvgacagagccgvgcggagccgvcgctgtgtgaagccgvgagagaaatcgaagcgg	189
Db	466	atcaagaagaaagagagaaactaaagctccagacgcgvcgvggtgtgtgaagccgvgagacatcgaagcgg	525
OY	190	gaggttgagacatccgcgcgcgacggtgtcgcacacaaatgttaacacgcgcgcgcgcgcctat	249
Db	526	gaggttcacgacatccgcgaaagagaaatccaaacaccccaatgtcaatccaccctgcgcgagagttcat	585
OY	250	gagaaacgcgcacacgcgcgtgtgtgcacatcctgtgaagctgaagtcgtctgagagagagacccctcgat	309
Db	586	gagaaacaaagacgcgcgtcatccctgatactcttgaaactcgttgacaggtcgtaggcgagctgttgac	645
OY	310	ttcctgcgcgcgaagagvggtcaatcgtagtgagagagagagccacacgcctcaatgaagcaagac	369
Db	646	ttcttaagctctgaaagagaaatccttaacactgaaagagaaagaaactgaattcttcaaaacaat	705
OY	370	ctgagctggvgaaactacatccctcaacacaaagaagaatgtctaaacttgatactcaagcagaa	429
Db	706	cttaagtggtgtctctacccgcgcacccctcccaaatcgccaaacttgatacttaagcctgag	765
OY	430	aacataatgtgtgtagaacaagaatattccatctcacacatacgaagctgaatgtgattggt	489
Db	766	aacataatagcttcttgatagaagaatgcctccaaaccccgatacaagatcatgtgctt---	821
OY	490	ctgagctcaagaaatagaagatbgvggtctgaatttaagaatatttttgagacccggaattc	549
Db	822	-----tggaatgaaatttaaaaaaatatttgagatccaagaagtt	861
OY	550	gttcgctcagaanaatgtgaaactagaagacccctggtgtctgtagagctgcagactgtgaaacata	609
Db	862	gtcgcctcctgtagaagtaacataagaaacccctggtcttgtaggcagagatagtgagatatac	921
OY	610	ggcgatcacatcaatcctctttaaagtgtgaagacatcccttctctggtgtagacagaaagcag	669

Db	922	gggtaataaaccttatccctccaagtgggctccccaattctctggagaacataagca	981
Qy	670	gaaacactcggaaatatcatatcaatgaagatgaagattgatggagaattctcaagcat	729
Db	982	gaacagtctgaagaatctgataccgcctgcttaacataagaatttgaagatagaacttcagtaat	1041
Qy	730	acgagcagactcggccaagagacttatctcgaaagcttctglttaagaagaccggaaacgg	789
Db	1042	accagtgccctaagccaagaattctcataagaagactctgltcaagatattccaagaagaaga	1101
Qy	790	ctcacatccaagaaggcgtccctcagacacacccctgatacgcggttggacaaccaagaagcc	849
Db	1102	atgacaattccaagatgaatttgcagcatccctcgatcaagcctcaagaatatacaacaagagca	1161
Qy	850	atggttcgcagcggagatctctgtgtcaatcttggaaacttcaggaagacgaatgttccgcgag	909
Db	1162	cttagtagaagaagatcatcagcagtaaacatgtgagagaatttcagaagtttcagcccgaaa	1221
Qy	910	csgtfggaagcttcccttcagcatcggtgtccctgtgcacacactcaaccgcgtcgtcgtatg	969
Db	1222	aaatggaacaacatccgttcgtctgatatcacttgcacaaagattatccagtcattctctg	1281
Qy	970	aagaagtgatccctgag	986
Db	1282	tcacgaagtaacatcag	1298

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RESULT 7
US-09-221-235-12
; Sequence 12, Application US/09221235
; Patent No. 6043040
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEOTIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: NMI-050
; CURRENT APPLICATION NUMBER: US/09/221,235
; CURRENT FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163,115
; EARLIER FILING DATE:
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 12
; LENGTH: 480
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(480)
US-09-221-235-12

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Query Match	41.2%;	Score 445.4;	DB 3;	Length 480;
Best Local Similarity	98.7%;	Pred. No. 1.5e-107;		
Matches 449;	Conservative 0;	Mismatches 6;	Indels 0;	Gaps 0;

QY	626	tcctcttaagatgagagcatccccccttctctgaggagacagaaacggaacacctgccaata	665
Db	26	tcaagtttaagatgagagcatcccccttctctgaggagacagaaacacctgccaata	85
QY	686	tcaacatcaagatgaatgaagactttgatgagagatcttccaaacatagagagagctggcca	745
Db	86	tcaacagcagtgagttaagactttgatgagagatcttccaaacatagagagagctggcca	145
QY	746	aggacttatctcggagaagcttcttggttcaaagagaccgggaacggtctcaaatccaaagag	805
Db	146	aggacttatctcggagaagcttcttggttcaaagagaccgggaacggtctcaaatccaaagag	205
QY	806	cctctcaagacaccccttgagatcagcccggttgagacaacacgacgaacaaatgtgtcgacggagat	865
Db	206	cctctcaagacaccccttgagatcagcccggttgagacaacacgacgaacaaatgtgtcgacggagat	265
QY	866	ctgtgtgtcaatctggaagacttcagagaaacgatatgtctccgaagtcggttggaagctttcct	925


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; CURRENT APPLICATION NUMBER: US/09/221,236
; CURRENT FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163,115
; EARLIER FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 480
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(480)
US-09-221-236-12
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Query Match      41.2%; Score 445.4; DB 3; Length 480;
Best Local Similarity 98.7%; Pred. No. 1.5e-107;
Matches 449; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
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QY 626 tcctcttaagtggagcattcccttctctggaagacaggaagcaagaacactgtgcaata 685
    |||
Db 26 tcagcttaagtggagcattcccttctctggaagacaggaagcaagaacactgtgcaata 85

QY 686 tcaatcagtgagttacgactttgataggaattcttcagccatacagcagctggcca 745
    |||
Db 86 tcaagcagtgagttacgactttgataggaattcttcagccatacagcagctggcca 145

QY 746 aggaattatcggaaagcttctgtttaaagagaccggaaacggctcaaatccaagaagg 805
    |||
Db 146 aggaattatcggaaagcttctgtttaaagagaccggaaacggctcaaatccaagaagg 205

QY 806 ctctccaaacaccccttgatatacgcggtgtgaaacacagcaagccatgtgtgaaaggagt 865
    |||
Db 206 ctctccaaacaccccttgatatacgcggtgtgaaacacagcaagccatgtgtgaaaggagt 265

QY 866 ctgtgtcaaatcttgagaactctcaggaagcagatgtccgcagagcggtggaagcttct 925
    |||
Db 266 ctgtgtcaaatcttgagaactctcaggaagcagatgtccgcagagcggtggaagcttct 325

QY 926 tcaagcatgtgtccctgtgtgcaaacactcaaccgcgtcgtatgaagaaggltgacactga 985
    |||
Db 326 tcaagcatgtgtccctgtgtgcaaacactcaaccgcgtcgtatgaagaaggltgacactga 385

QY 986 ggcgcgagtgaggaactctgaggaactgtgagagtgacactgaggaagcaatgcgcagagga 1045
    |||
Db 386 ggcgcgagtgaggaactctgaggaactgtgagagtgacactgaggaagcaatgcgcagagga 445

QY 1046 aagccctccacccagagagagagagagagagagagagagagagagagagagagagag 1080
    |||
Db 446 aagccctccacccagagagagagagagagagagagagagagagagagagagagagag 480
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RESULT 11
US-09-221-416-12
; Sequence 12, Application US/09221416
; Patent No. 6153417
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: NMI-050
; CURRENT APPLICATION NUMBER: US/09/221,416
; EARLIER FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163,115
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 480
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
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; LOCATION: (1)..(480)
US-09-221-416-12
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Query Match      41.2%; Score 445.4; DB 3; Length 480;
Best Local Similarity 98.7%; Pred. No. 1.5e-107;
Matches 449; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
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QY 626 tcctcttaagtggagcattcccttctctggaagacaggaagcaagaacactgtgcaata 685
    |||
Db 26 tcagcttaagtggagcattcccttctctggaagacaggaagcaagaacactgtgcaata 85

QY 686 tcaatcagtgagttacgactttgataggaattcttcagccatacagcagctggcca 745
    |||
Db 86 tcaagcagtgagttacgactttgataggaattcttcagccatacagcagctggcca 145

QY 746 aggaattatcggaaagcttctgtttaaagagaccggaaacggctcaaatccaagaagg 805
    |||
Db 146 aggaattatcggaaagcttctgtttaaagagaccggaaacggctcaaatccaagaagg 205

QY 806 ctctccaaacaccccttgatatacgcggtgtgaaacacagcaagccatgtgtgaaaggagt 865
    |||
Db 206 ctctccaaacaccccttgatatacgcggtgtgaaacacagcaagccatgtgtgaaaggagt 265

QY 866 ctgtgtcaaatcttgagaactctcaggaagcagatgtccgcagagcggtggaagcttct 925
    |||
Db 266 ctgtgtcaaatcttgagaactctcaggaagcagatgtccgcagagcggtggaagcttct 325

QY 926 tcaagcatgtgtccctgtgtgcaaacactcaaccgcgtcgtatgaagaaggltgacactga 985
    |||
Db 326 tcaagcatgtgtccctgtgtgcaaacactcaaccgcgtcgtatgaagaaggltgacactga 385

QY 986 ggcgcgagtgaggaactctgaggaactgtgagagtgacactgaggaagcaatgcgcagagga 1045
    |||
Db 386 ggcgcgagtgaggaactctgaggaactgtgagagtgacactgaggaagcaatgcgcagagga 445

QY 1046 aagccctccacccagagagagagagagagagagagagagagagagagagagagagag 1080
    |||
Db 446 aagccctccacccagagagagagagagagagagagagagagagagagagagagagag 480
```

```

RESULT 12
US-09-221-245-12
; Sequence 12, Application US/09221245
; Patent No. 6180358
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: NMI-050
; CURRENT APPLICATION NUMBER: US/09/221,245
; EARLIER FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163,115
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 480
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(480)
US-09-221-245-12
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Query Match      41.2%; Score 445.4; DB 4; Length 480;
Best Local Similarity 98.7%; Pred. No. 1.5e-107;
Matches 449; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
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QY 626 tcctcttaagtggagcattcccttctctggaagacaggaagcaagaacactgtgcaata 685
    |||
Db 26 tcagcttaagtggagcattcccttctctggaagacaggaagcaagaacactgtgcaata 85
```

OY	666	tcacaaagatgataagactttgataagatattcttcagccaaacagacgagatgtgcc	745
Db	86	tcacagacgatagtataacactttcatgtaggaattcttcacacagacgagatcttgc	145
OY	746	aggaacttatttcgaaagactctctgtttaaaagaccgcgaaacggtccacaatccaaag	805
Db	146	aggaacttatttcgaaagactctctgtttaaaagaccgcgaaacggtccacaatccaaag	205
OY	806	ctctcagaacaccccttgatcagcgcggttgacaacacgaacgaacgatgtgcacgaggat	865
Db	206	ctctcagaacaccccttgatcagcgcggttgacaacacgaacgaacgatgtgcacgaggat	265
OY	866	ctgtgtgataactcttgagaagacttcagagaagcgtattgtccgacgagcgttgaaagcttcct	925
Db	266	ctgtgtgataactcttgagaagacttcagagaagcgtattgtccgacgagcgttgaaagcttcct	325
OY	926	tcagatcatgtgtccctgtgtgcaaacacacactccacccgctcgcgtatgaataaagttgacctga	985
Db	326	tcagatcatgtgtccctgtgtgcaaacacactccacccgctcgcgtatgaataaagttgacctga	385
OY	986	ggccgagatgaaagacactcgaaagactgtgaaagtgaacacttgagaagagataatctgcagagaga	1045
Db	386	ggccgagatgaaagacactcgaaagactgtgaaagtgaacacttgagaagagataatctgcagagaga	445
OY	1046	aagccctccaccacacgagagagagagcagcaactcc	1080
Db	446	aagccctccaccacacgagagagagagcagcaactcc	480

```

RESULT 13
US-09-163-115-12
: Sequence 12, Application US/09163115A
: Patent No. 6183962
: GENERAL INFORMATION:
: APPLICANT: Acton, Susan
: TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
: FILE REFERENCE: NMI-050
: CURRENT APPLICATION NUMBER: US/09/163,115A
: CURRENT FILING DATE: 1998-09-29
: NUMBER OF SEQ ID NOS: 15
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 12
: LENGTH: 480
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (1)..(480)
: US-09-163-115-12

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Query Match	41.2%;	Score 445.4;	DB 4;	Length 480;
Best Local Similarity	98.7%;	Pred. No. 1.5e-107;		
Matches 449;	Conservative	0;	Mismatches 6;	Indels 0;
				Gaps

QY	626	tcaccttaagcggagacatccccccttcctcgggaagacagacggaaacctcgcaata	685
Db	26	tcagcttaagcggagacatccccccttcctcgggaagacagacggaaacctcgcaata	85
QY	686	tcaatatagcggagcttaagacttttgatgagaaattcttcacacatacagacgcgcgtgccca	745
Db	86	tcaacagacagcggagcttaagacttcgatgagaaattcttcacacacagacgcgcgtgccca	145
QY	746	agagacttattcggaaagctcttcgtgttaaaagagaccgcgaaacgcgtctcacacatccaaagag	805
Db	146	agagacttattcggaaagctcttcgtgttaaaagagaccgcgaaacgcgtctcacacatccaaagag	205
QY	806	cttcacagacacccctctgatacagccggcttgagacaacacagacagatcgtgbcagcggagct	865
Db	206	cttcacagacacccctctgatacagccggcttgagacaacacagacagatcgtgbcagcggagagct	265
QY	866	ctctgtgtcgaatctgagaaacttcagaaagagatattctccgacagcgcgttgagaaacttccct	925

[illegible]

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RESULT 14
US-09-221-528-12
: Sequence 12, Application US/09221528
: Patent No. 6190874
: GENERAL INFORMATION:
: APPLICANT: Acton, Susan
: TITLE OF INVENTION: NOVEL CSApK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
: FILE REFERENCE: NMI-050
: CURRENT APPLICATION NUMBER: US/09/221,528
: CURRENT FILING DATE: 1998-12-28
: EARLIER APPLICATION NUMBER: 09/163,115
: EARLIER FILING DATE: 1998-09-29
: NUMBER OF SEQ ID NOS: 15
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 12
: LENGTH: 480
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (1)..(480)
US-09-221-528-12

```

Query Match	41.2%;	Score 445.4;	DB 4;	Length 480;
Best Local Similarity	-98.7%;	Pred. No. 1.5e-107;		
Matches 449;	Conservative	0;	Mismatches 6;	Indels 0;
				Gaps

QY	626	tcctcttaagatgagagcatcccccctctccctgggagagacagaaacagaaacactgtgcaata	685
Db	26	tcagcttaagagggagcatcccccctctccctgggagagacagaaacagaaacactgtgcaata	85
QY	686	tcacatcaagtgatgtacgacttgaatgaaggaattcttcagccalacagagcgagctgtgcc	745
Db	86	tcacagcagatgattacgacttgaatgaaggaattcttcagccagagcagagctgtgcc	145
QY	746	agggaactatctcggaagcttcctgtgttaagaagaccgcggaacacggtctcaaatccaagaag	805
Db	146	agggaactatctcggaagcttcctgtgttaagaagaccgcggaacacggtctcaaatccaagaag	205
QY	806	ctccacgaacaccccttgatctacgcgcgtgtgaacaaaccgaagccatgtgtcgcacggagat	865
Db	206	ctccacgaacaccccttgatctacgcgcgtgtgaacaaaccgaagccatgtgtcgcacggagat	265
QY	866	ctgtgtgaacacttggaagaacttcagagagcagatattgcacgaagccggttgaaagctttcc	925
Db	266	ctgtgtgtcaaaccttggaagaacttcagagagcagatattgcacgaagccggttgaaagctttcc	325
QY	926	tcagatcatgtctccctctgtcaacaacactccaccgcctgcgtcgtatgaagaaggttgcacctga	985
Db	326	tcagatcatgtctccctctgtcaacaacactccaccgcctgcgtcgtatgaagaaggttgcacctga	385
QY	986	ggcccgagatgaagaaacttgaggaaactgttagaagtgaacacttgagaggaagaatactgcacagagga	1045
Db	386	ggcccgagatgaagaaacttgaggaaactgttagaagtgaacacttgagaggaagaatactgcacagagga	445
QY	1046	aagcctctcacccacgagaggaaggaacgacactcc	1080

Db 446 aagccctccaccacgagagagagcagcctcc 480

RESULT 15

US-09-593-553-12

; Sequence 12, Application US/09593553

; Patent No. 6200770

; GENERAL INFORMATION:

; APPLICANT: Acton, Susan

; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR

; FILE REFERENCE: MNI-050

; CURRENT APPLICATION NUMBER: US/09/593,553

; CURRENT FILING DATE: 2000-06-14

; PRIOR APPLICATION NUMBER: 09/163,115

; PRIOR FILING DATE: 1998-09-28

; NUMBER OF SEQ ID NOS: 15

; SOFTWARE: Patentln Ver. 2.0

; SEQ ID NO 12

; LENGTH: 480

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (1)..(480)

US-09-593-553-12

Query Match

41.2%; Score 445.4; DB 4; Length 480;

Best Local Similarity 98.7%; Pred. No. 1.5e-107;

Matches 449; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 626 tcccttaagtgagagcattcccttctcttgaggagacagaaagcagaaacctggcaata 685
Db 26 tccagctaaagtgagaccccttcccttccttgagacagaaagcagaaacctggcaata 85
QY 686 tccacatcagtgagtgacgaacttgatgaggaatctctcaagcatalacagcgaactggcca 745
Db 86 tccacagcagtgagtgacgaacttgatgaggaatctctcaagcatalacagcgaactggcca 145
QY 746 aggaacttattcgaagctctgtttaagaagaccggaacggctcacaatccaagaag 805
Db 146 aggaacttattcgaagctctgtttaagaagaccggaacggctcacaatccaagaag 205
QY 806 ctctcagacaccccttgatcagcccggtggacaaccagcagccatgtgtcgacggagt 865
Db 206 ctctcagacaccccttgatcagcccggtggacaaccagcagccatgtgtcgacggagt 265
QY 866 ctgttggtcaatctcgaagaacttcagaagaagcagatgtcgcagcggttggaagcttctc 925
Db 266 ctgttggtcaatctcgaagaacttcagaagaagcagatgtcgcagcggttggaagcttctc 325
QY 926 tccagcatcgtgtccctgtgtgacaaccctcaccgctcgtcgtatgaagaagtgcaactga 985
Db 326 tccagcatcgtgtccctgtgtgacaaccctcaccgctcgtcgtatgaagaagtgcaactga 385
QY 986 ggcgcgagtgagagcctcgaagaactctgaagaagtgacactgaagagacatcgcagagaga 1045
Db 386 ggcgcgagtgagagcctcgaagaactctgaagaagtgacactgaagagacatcgcagagaga 445
QY 1046 aagccctccaccacgagagagagcagcctcc 1080
Db 446 aagccctccaccacgagagagagcagcctcc 480

Search completed: May 17, 2002, 23:39:12
Job time: 5606 sec

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